

What is claimed is:

1. A method of providing remote wireless video surveillance of a location comprising the steps of:

using a miniature analog video camera to generate analog electrical signals representative of an image of the location;

converting the analog signals to digital electrical signals and packetizing the digital electrical signals into an IP format;

transmitting the video data in IP format over a twisted wire pair using a first ethernet transceiver;

receiving the video data in IP format over the twisted wire pair using a second ethernet transceiver;

wirelessly transmitting a microwave signal containing the IP format data to a base unit;

at the base unit, receiving the IP format data microwave signal from the remote unit;

sending the IP format data over a computer network to a user terminal;

converting the IP format data to digital video signals using a video player; and

displaying the digital video signals on a monitor at the user terminal.

2. The method of claim 1 wherein the IP format comprises TCP/IP.

3. The method of claim 1 wherein the microwave transmission has a frequency between 5.0 and 6.0 Ghz.

4. The method of claim 1 further comprising the step of inputting pan, tilt, and zoom control instructions at the base unit to control the operation of the camera.

5. The method of claim 1 further comprising the step of using additional cameras at the location and selecting between video data generated by the cameras.

6. The method of claim 5 wherein the selecting between video data is made by inputs to the base unit.

7. The method of claim 1 wherein the computer network is the Internet.

8. A system for providing wireless video surveillance data of a location to a plurality of computer terminals on a network comprising:

at least one camera for generating an electromagnetic signal containing video data representing an image of the location;

means for converting the video data of the electromagnetic signal into IP format;

a first Ethernet transceiver for transmitting the video data in IP format over a twisted wire pair;

a second Ethernet transceiver for receiving the video data in IP format over the twisted wire pair;

means for wirelessly transmitting the video data output of the second Ethernet transceiver to a base unit;

means for receiving and decoding the wireless video data transmission at the base unit; and

means for transmitting the video data from the base unit to a plurality of computer terminals over a network.

9. The system of claim 8 further comprising means for storing video data at the remote unit.

10. The system of claim 8 further comprising means for controlling the camera from inputs at the base unit.